

FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.	SERIAL NO.
		5515	09/158,549
		APPLICANT John S. HENDRICKS et al.	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE	GROUP
(Use several sheets if necessary)		September 22, 1998	2711

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>D.V.</i>	AA	5 3 5 7 2 7 6	10/18/94	Banker et al.			
	AB	4 7 1 2 1 0 5	12/8/87	Kohler			
	AC	5 2 5 3 0 6 6	10/12/93	Vogel			
	AD	5 1 3 0 7 9 2	7/14/92	Tindell et al.			
	AE	5 1 5 2 0 1 1	9/29/92	Schwob			
	AF	4 9 9 6 5 9 7	2/26/91	Duffield			
	AG	5 3 4 1 1 6 6	8/23/94	Garr et al.			
	AH	4 7 0 6 1 2 1	11/10/87	Young			
	AI	4 9 2 8 1 6 8	5/22/90	Iwashita			
	AJ	5 1 4 4 6 6 3	9/1/92	Kudelski et al.			
<i>D.V.</i>	AK	5 1 0 5 2 6 8	4/14/92	Yamanouchi et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	3 1 1 4 3 7 5	5/15/91	Japan				
	AM	3 9 3 5 2 9 4	4/25/91	Germany				
	AN	4 2 0 1 2 3	4/3/91	EPO				
	AO	6 2 2 4 7 7 7	2/2/87	Japan				
	AP	1 1 3 0 6 8 3	6/23/89	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AQ	Reimer, "Memories in my Pocket", February 1991.
AR	Olshansky et al., "Subscriber Distribution Networks Using Compressed Digital Video", November 1992.
AS	Dinero, et al., "Markets and Products Overview", 1991.

EXAMINER <i>Dimitri Tandra</i>	DATE CONSIDERED <i>3.2.02</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J. S.</i>	BA	4 9 4 7 4 2 9	8/7/90	Bestler et al.			
	BB	5 0 9 3 7 1 8	3/3/92	Hoarty et al.			
	BC	5 0 4 6 0 9 3	9/3/91	Wachob			
	BD	5 0 2 0 1 2 9	5/28/91	Martin et al.			
	BE	4 7 9 2 9 7 2	12/20/88	Cook, Jr.			
	BF	5 0 7 7 6 0 7	12/31/91	Johnson et al.			
	BG	4 9 7 5 9 5 1	12/4/90	Bennett			
	BH	4 8 6 0 3 7 9	8/22/89	Schoeneberger et al.			
	BI	4 4 8 4 2 1 7	11/20/84	Block et al.			
	BJ	5 0 9 1 7 8 2	2/25/92	Krause et al.			
<i>J. S.</i>	BK	5 0 5 7 9 1 7	10/15/91	Shalkauser et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	BL	9 2 1 7 0 2 7	10/1/92	PCT				
	BM	9 1 0 0 6 7 0	1/10/91	PCT				
	BN	4 2 4 6 4 8	5/2/91	EPO				
	BO	5 0 6 4 3 5	9/30/92	EPO				
	BP	4 0 2 8 0 9	12/19/90	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

BQ	Advertisement, "Hong Kong Enterprise", November 1988
BR	Advertisement, "Great Presentations", 1987
BS	Advertisement, "Consumer Dist.", Fall/Winter 1992

EXAMINER <i>G. S. Krishna</i>	DATE CONSIDERED 3.2.07.
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>D.V.</i>	CA	5 0 4 9 9 9 0	9/17/91	Kondo et al.			
	CB	4 8 1 6 9 0 1	3/28/89	Music et al.			
	CC	4 6 8 8 2 4 6	8/18/87	Eilers et al.			
	CD	4 9 4 9 1 8 7	8/14/90	Cohen			
	CE	4 9 9 5 0 7 8	2/19/91	Monslow et al.			
	CF	5 0 2 7 4 0 0	6/25/91	Baji et al.			
	CG	5 1 7 2 4 1 3	12/15/92	Bradley et al.			
	CH	5 2 0 6 7 2 2	4/27/93	Kwan			
	CI	5 2 4 7 3 4 7	9/21/93	Litteral et al.			
	CJ	5 1 6 6 8 8 6	11/24/92	Molnar et al.			
<i>D.V.</i>	CK	5 2 2 3 9 2 4	6/29/93	Strubbe			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	CL	8 6 0 1 9 6 2	3/27/86	PCT				
	CM	8 9 0 9 5 2 8	10/5/89	PCT				
	CN	9 2 2 1 2 0 6	11/26/92	PCT				
	CO	9 0 1 0 9 8 8	9/20/90	PCT				
	EP	1 8 7 9 6 1	7/23/86	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

CQ	van den Boom, "Interactive Videotex. . .", Nov.-Dec. 1986.
CR	Moloney, "Digital Compression in Todays. . .", June 6, 1993
CS	Bestler, "Flexible Data Structures. . .", June 6, 1993

EXAMINER <i>Smitri Pundra</i>	DATE CONSIDERED <i>3.7.02</i>
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>J.T.</i>	DA	5 2 8 9 2 7 1	2/22/94	Watson			
	DB	4 9 5 9 8 1 0	9/25/90	Darbee et al.			
	DC	4 4 8 8 1 7 9	12/11/84	Kruger et al.			
	DD	4 9 7 7 4 5 5	12/11/90	Young			
	DE	5 1 5 1 7 8 9	9/29/92	Young			
	DF	D 3 0 1 0 3 7	5/9/89	Matsuda			
	DG	D 3 1 4 3 8 3	2/5/91	Hafner			
	DH	D 3 2 5 5 8 1	4/21/92	Schwartz			
	DI	D 3 2 9 2 3 8	9/8/92	Grasso et al.			
	DJ	D 3 3 1 7 6 0	12/15/92	Renk, Jr.			
<i>J.T.</i>	DK	5 0 1 5 8 2 9	5/14/91	Eilert et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	DL	1 1 4 2 9 1 8	6/8/89	Japan				
	DM	3 5 5 6 9 7	2/28/90	EPO				
	DN	4 2 5 8 3 4	5/8/91	EPO				
	DO	5 1 3 7 6 3	11/19/92	EPO				
	DP	3 1 9 8 1 1 9	8/29/91	Japan				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	DQ	Sharpless, "Subscription Teletext for Value Added Services", August 1985.
	DR	Gelman et al., "A Store-and Forward. . .", June 21, 1991.
	DS	Hewlett Packard Co., "HP-41C Operating Manual", December, 1982

EXAMINER <i>S. Dimitris Tundra</i>	DATE CONSIDERED <i>3.2.02</i>
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>2.4</i>	EA	5 2 0 2 8 1 7	4/13/93	Koenck et al.			
<i>2.5</i>	ER	5 2 5 3 2 7 5	10/12/93	Yurt et al.			
	EC	5 2 8 3 6 3 9	2/1/94	Esch et al.			
	ED	5 3 4 5 5 9 4	9/6/94	Tsuda			
	EE	5 4 1 6 5 0 8	5/16/95	Sakuma et al.			
	EF	4 9 6 1 1 0 9	10/2/90	Tanaka			
	EG	4 8 2 9 5 5 8	5/9/89	Welsh			
	EH	5 1 3 3 0 7 9	7/21/92	Ballantyne et al.			
	EI	5 3 5 5 1 6 2	10/11/94	Yazolino et al.			
	EJ	5 1 8 2 6 3 9	1/26/93	Jutamulia et al.			
<i>2.6</i>	EK	5 1 3 2 7 8 9	7/21/92	Ammon et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	EL	9 2 1 2 5 9 9	7/23/92	PCT				
	EM	2 1 6 8 2 2 7	6/11/86	Great Britain				
	EN	2 0 4 4 5 7 4	12/14/92	Canada				
	EO	5 2 5 0 1 0 6	9/28/93	Japan (Abstract)				
	EP	6 1 0 6 0 1 5	3/27/86	Japan (Abstract)				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EQ	Sorce, et al., "Human Factors In Telecommunications," September 1990

EXAMINER <i>G. J. J. J.</i>	DATE CONSIDERED 3.2.02
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<i>D.V.</i>	FA	4 8 7 6 7 3 6	10/24/89	Kiewit			
	FB	5 2 9 3 5 4 0	3/8/94	Trani et al.			
	FC	5 0 0 1 5 5 4	3/19/91	Johnson et al.			
	FD	5 4 1 0 3 2 6	4/25/95	Goldsetin			
	FE	5 0 4 7 8 6 7	9/10/91	Strubbe et al.			
	FF	5 3 5 3 1 2 1	10/4/94	Young et al.			
	FG	5 4 1 4 4 2 6	5/9/95	O'Donnell et a.			
	FH	5 4 0 4 3 9 3	4/4/95	Remillard			
	FI	5 2 3 7 3 1 1	8/17/93	Mailey et al.			
	FJ	5 0 7 8 0 1 9	1/27/92	Aoki			
<i>D.V.</i>	FK	5 4 1 0 3 4 4	4/25/95	Graves et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	FL	2 4 3 3 1 2	10/28/87	EPO				
	FM	9 3 2 2 8 7 7	11/11/93	PCT				
	FN	9 2 2 1 2 0 6	11/26/92	PCT				
	FO	9 1 0 0 6 7 0	1/10/91	PCT				
	FP	9 1 0 3 1 1 2	3/7/91	PCT				

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EXAMINER <i>K. Smith</i>	DATE CONSIDERED 3.2.02
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<i>S.V.</i>	GA	5 1 5 5 5 9 1	10/13/92	Wachob			
	GB	5 4 3 2 5 4 2	7/11/95	Thibadeau et al.			
	GC	5 0 3 6 5 3 7	7/30/91	Jeffers et al.			
	GD	5 3 2 3 2 4 0	6/21/94	Amano et al.			
	GE	5 3 6 7 5 7 1	11/22/94	Bowen et al.			
	GF	4 3 6 1 8 4 8	11/30/82	Poignet et al.			
	GG	5 2 6 0 7 7 8	11/9/93	Kauffman et al.			
	GH	3 8 9 1 7 9 2	6/24/75	Kimura			
	GI	5 0 3 6 3 9 4	7/30/91	Morii et al.			
	GJ	4 6 3 9 2 2 5	1/27/87	Washizuka			
<i>S.F.</i>	GK	4 8 2 9 5 6 9	5/9/89	Seth-Smith et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	GL	9 2 1 1 7 1 3	7/9/92	PCT				
	GL	1 2 0 4 1 9 0	9/3/70	Great Britain				
	GM	3 4 2 3 8 4 6	1/9/86	Germany				
	GN	2 3 4 2 2 3	11/11/94	Taiwan				
	GO	2 3 6 0 6 5	12/11/94	Taiwan				

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EXAMINER <i>[Signature]</i>	DATE CONSIDERED 3.3.02
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<i>J, S</i>	HA	4 6 0 5 9 6 4	8/12/86	Chard			
	HB	4 6 8 8 2 1 8	8/18/87	Blineau et al.			
	HC	5 1 5 1 7 8 2	9/29/92	Ferraro			
	HD	5 2 0 6 9 5 4	4/27/93	Inoue et al.			
	HE	5 3 4 3 2 3 9	8/30/94	Lappington et al.			
	HF	5 3 2 7 5 5 4	7/5/94	Palazzi, III et al.			
	HG	4 7 2 4 4 9 1	2/9/88	Lambert			
	HH	5 3 7 5 0 6 8	12/20/94	Plamer et al.			
	HI	5 2 1 6 5 1 5	6/1/93	Steele et al.			
	HJ	5 3 3 9 3 1 5	8/16/94	Maeda et al.			
<i>J, S</i>	HK	4 6 9 7 2 0 9	9/29/87	Kiewit et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	HL	2 3 5 3 5 9	12/1/94	Taiwan				
	HM	2 3 5 3 5 8	12/1/94	Taiwan				
	HN	2 3 6 7 4 4	12/21/94	Taiwan				
	HO	2 3 8 4 6 1	4/23/92	Taiwan				
	HP	1 6 7 2 3 7	1/8/86	EPO				

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EXAMINER <i>Jim</i>	DATE CONSIDERED 3 3 0 2
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>D.R.</i>	IA	5 4 8 1 2 9 4	1/2/96	Thomas et al.			
	IB	5 4 7 3 3 6 2	12/5/95	Fitzgerald			
	IC	5 1 5 0 1 1 8	9/22/92	Finkle et al.			
	ID	5 4 7 9 2 6 8	12/26/95	Young et al.			
	IE	5 3 4 1 4 7 4	8/23/94	Gelman et al.			
	IF	5 3 1 9 4 5 5	6/7/94	Hoarty et al.			
	IG	5 4 7 7 2 6 3	12/19/95	O'Callaghan et al.			
	IH	5 0 1 4 1 2 5	5/7/91	Pocock et al.			
	II	5 1 3 2 9 9 2	72192	Yurt et al.			
	IJ	4 5 1 7 5 9 8	5/14/85	VanValkenburg et al.			
<i>D.R.</i>	IK	4 5 8 7 5 2 0	5/6/86	Astle			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	IL	1 4 9 5 3 6	1/18/84	EPO				
	IM	1 5 8 5 4 8	10/16/85	EPO				
	IN	1 4 5 0 6 3	6/19/85	EPO				
	IO	1 0 3 4 3 8	3/21/84	EPO				
	IP	3 9 9 2 0 0	11/28/90	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Simar</i>	DATE CONSIDERED 3.3.02.
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<i>J.R.</i>	JA	5 5 1 5 0 9 8	5/7/96	Carles			
	JB	5 4 1 2 4 1 6	5/2/95	Nemirofsky			
	JC	5 4 0 0 4 0 1	3/21/95	Wasilewski et al.			
	JD	5 2 8 5 2 7 2	2/8/94	Bradley et al.			
	JE	5 4 4 6 9 1 9	8/29/95	Wilkins			
	JF	5 4 4 2 6 2 6	8/15/95	Wei			
	JG	5 4 8 1 5 4 2	1/2/96	Logston et al.			
	JH	5 4 8 1 2 9 6	1/2/96	Cragun et al.			
	JI	5 3 5 1 0 7 5	9/27/94	Herz et al.			
	JJ	5 4 8 3 2 7 8	1/9/96	Strubbe et al.			
<i>J.G.</i>	JK	5 4 6 9 2 0 6	11/21/95	Strubbe et al.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	JL	4 5 0 8 4 1 1	10/9/91	EPO				
	JM	2 2 4 5 1 6 7	3/31/89	Japan				
	JN	2 1 7 7 8 7 3	1/28/87	Great Britain				
	JO	2 1 4 0 1 3 4	6/23/87	Japan				
	JP	2 8 1 2 9 3	9/7/88	EPO				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>Hum</i>	DATE CONSIDERED <i>030302</i>
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<i>D</i>	KA	5 3 1 9 7 0 7	6/7/94	Wasilewski et al.			
	KB	5 2 4 2 7 7 0	6/13/95	Schmelzer et al.			
	KC	4 6 9 4 4 9 0	9/15/87	Harvey et al.			
	KD	4 4 6 5 8 2 5	10/23/90	Harvey et al.			
	KE	4 5 2 8 6 4 3	7/9/85	Freenv, Jr.			
	KF	5 2 3 7 6 1 0	8/17/93	Gammie et al.			
	KG	4 7 1 2 1 3 0	12/8/87	Casey			
	KH	5 2 8 2 0 2 8	1/25/94	Johnson et al.			
	KI	5 6 4 4 3 5 4	7/1/97	Thompson et al.			
	KJ	5 5 7 0 1 2 6	10/29/96	Blahut et al.			
<i>D</i>	KK	5 6 6 1 5 1 6	8/26/97	Carles			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	KL	5 1 3 5 5 3	11/19/92	EPO				
	KM	5 7 0 7 8 5	11/24/93	EPO				
	KN	3 2 8 4 4 0	8/8/89	EPO				✓
	KO	1 0 2 0 4 5 4	1/30/89	Japan				

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EXAMINER <i>[Signature]</i>	DATE CONSIDERED 03.03.02
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<i>J</i>	LA	5 7 2 4 0 9 1	3/3/98	Freeman et al.			
	LB	5 3 4 3 5 1 6	8/30/94	Callele et al.			
	LC	4 8 0 5 0 1 4	2/14/89	Sahara et al.			
	LD	4 3 8 1 5 2 2	4/26/83	Lambert			
	LE	5 5 0 0 7 9 4	3/19/96	Fujita et al.			
	LF	5 2 5 3 3 4 1	10/12/93	Rozmanith et al.			
	LG	5 0 7 3 9 3 0	12/17/91	Green et al.			
	LH	5 0 7 5 7 7 1	12/24/91	Hashimoto			
	LI	5 6 9 6 9 0 6	12/9/97	Peters et al.			
	LJ	5 1 0 3 3 1 4	4/7/92	Keenan			
<i>J</i>	LK	5 4 0 4 5 0 5	4/4/95	Levinson			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER <i>J</i>	DATE CONSIDERED 09.03.02
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FORM PTO-1449 (Rev. 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 5515	SERIAL NO. 09/158,549
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT John S. HENDRICKS et al.	
		FILING DATE September 22, 1998	GROUP 2711


U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
J.R.	MA	5 3 9 0 3 4 8	2/14/95	Maqin et al.			
	MB	4 3 9 8 2 1 6	8/9/83	Field et al.			
	MC	4 6 3 3 4 6 2	12/30/86	Stifle et al.			
	MD	5 3 6 5 2 6 5	11/15/94	Shibata et al.			
	ME	5 3 9 6 5 4 6	3/7/95	Remillard			
	MF	5 4 6 1 6 6 7	10/24/95	Remillard			
	MG	5 5 6 1 7 0 8	10/1/96	Remillard			
	MH	5 5 6 1 7 0 9	10/1/96	Remillard			
	MI	5 3 4 9 6 3 8	9/20/94	Pitroda et al.			
	MJ	5 4 4 0 6 3 2	8/8/95	Bacon et al.			
J.R.	MK	5 0 5 6 1 3 8	10/8/91	Tyson, Sr.			

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

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